



SEQUENCE LISTING

<110> Quark Biotech Inc.

<120> Genes involved in stroke response and/or regulated by FK506, proteins encoded thereby, and methods of use

<130> 65542/024-US1

<140> 10/021338

<141> 2001-12-12

<160> 131

<170> PatentIn version 3.1

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<212> DNA

<213> Homo sapiens

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gcagaagtag tcgctgcacg tgtaaaacaa ggctacagat tctaatagcac acagcctgtg	360
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tctaataaac actgcctctc tgcagctctt accagcttct tgggttggtg cacacactca	360
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gccattgaga ctttggattt aagaactcac attgctaggg agaggggctt tgctgggaaa	240
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gtcattttact ttgactgcct gtgggctgac ttcagaactt caggctctta gggttgctgg	180
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aaagtaaatt ttaacagtca aaaaaaaaaa aaaaagg      157

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atcatagaaa ctgctaggca tacactgagc attaagctta tcgacaccgt ggagctcgag      240
gtgagtccac gcaccagctg tgggaccgtg tagggactgn tacctacgag catggcgaga      300
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 <212> DNA
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 aacagtcaaa aaaaaaaaaa aa 142

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 taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa 159

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 gtgctaaaaa taaaagtaaa ttttaacagt caaaaaaaaaa aaa 163

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 tagagaaaca agtaaatttt cttagagaat gaaaaaaaaa aaaaaa 106

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 <212> DNA
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 <212> DNA
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 <211> 127
 <212> DNA
 <213> Rattus sp.

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 gtaccgg 127

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 <213> Rattus sp.

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 ctgctacatc agagactatc catgacgagc atctcatata aggat 225

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 <213> Rattus sp.

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 <212> DNA
 <213> Rattus sp.

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 <212> DNA
 <213> Rattus sp.

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 aaaaaaaaaa aaagggcccc ccctttaaaa ggggtcccaa ttttgggccc cctttttgaa 240
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 gttcaaaaact ttttttaaaa ggctggg 147

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 <212> DNA
 <213> Rattus sp.

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 aattagggag agtcctgggc tgtcccaggt gcccttaggt aaacttgaca gactgctgag 360

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<211> 151
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 <213> Rattus sp.

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 taaattttta cagtcaaaaa aaaaaaaaaa a 151

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 taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa aaa 163

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 aaaaaaaaaa aaaaagg 77

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 ttgtgggttc tggtttagct cttttataag tgtaaagcta tatttttgct gctttggaat 180
 aggataattc ttaagcatca tctt 204

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 aatggatagc cagtgttcta tataggaatc attgcttttc agagggtta aagttaaagt 180
 agaaaatata tactcaagaa ggcgataaaa gctgatgaga aagtgagtta gcagaacca 240

aagccgtgct gggccgcggt gactcattag cagaggagga ggggagggca gtatattcct 300
 gggatactct ctccagaccc agcctggctt ctgacatcat ccacctgtgc cctcaaaacc 360
 gtcttagtct gttctgcaac tcttaagtga catacctaac tcagctcatg gctaaggaaa 420
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 acaaactgca tccccagc 498

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 acagcacttg cttagcctat gagagaccct gcacttaatg cccagcacca caaaaaagaa 180
 aaaaaatacc tctattttta gatgatgctt aagaattatc ctattacaaa gcagcaaaaa 240
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 aggataattc ttaagcatca tcttaaaat 209

<210> 46
 <211> 403
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (339)..(344)
 <223> n

<400> 46
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 acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa 180
 aaaaaatacc tctattttta gatgatgctt aaagaattat cctattacaa agcagcaaaa 240

atataactttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgtga 300
atctaataaa cactgcctct ctgcagctct taccagctnt ctgngttgtt acacacactc 360
acacacgcgc acacacacac acacgcgctc cctcctactg agg 403

<210> 47
<211> 404
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (386)..(386)
<223> n

<400> 47
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ttgtgggttc tggtttagct cttttataat tgtaaagtta tttttttgct gcttttgaat 180
aggataattc ttaagcatca tcttaaaata gagggtatct tgtttctttt ttgtgggtgct 240
gggcattaag tgcagggctc cacataggct aagcaagtgc tgtgcactga gttgaacccc 300
agcagaagta ggtgctgcaa gtgtaaaaca aggctaaagg gctaattgcac actagctgtg 360
caggccgcgt ggtcatcgct tataangcca tggctaataa agtt 404

<210> 48
<211> 403
<212> DNA
<213> Rattus sp.

<400> 48
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acagcacttg cttagcctat gtgagacct gcacttaatg cccagcacca caaaaaagaa 180
acaaaatacc tctattttta gatgatgctt aaagattaat cctattacaa agcagcaaaa 240
atataacttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgtga 300
atctaataaa cactgcctct ctgcagctct taccagcttt ctgggttggt acacacactc 360
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<210> 49
<211> 433
<212> DNA
<213> Rattus sp.

<400> 49
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cacctccttc aagtaacatc tgctgggtata tctgccgctg ttgctccttc tgttcgagat	180
gctgctgata gcgcaatctt tgctataat attcttgaaa ttgttcagta gaatctcgaa	240
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gaagacttct gct	433

<210> 50
 <211> 262
 <212> DNA
 <213> Rattus sp.

<400> 50	
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cggggaggag gaggaggaca tcaccagtgc cgagtcagag agcagtgagg aggaggaagg	120
cggccccggg gacggccaga acaccaccg gcagcagcag ctagaatggg actactccac	180
actcagctac taaacacgcg ctgcccagc acctgctctc cagactctcc cagccatctt	240
ccagccccac ggggtccacga tg	262

<210> 51
 <211> 262
 <212> DNA
 <213> Rattus sp.

<400> 51	
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cggccccggg gacggccaga acaccaccg gcagcagcag ctagaatggg actactccac	180
actcagctac taaacacgcg ctgcccagc acctgctctc cagactctcc cagccatctt	240
ccagccccac ggggtccacga tg	262

<210> 52
 <211> 388
 <212> DNA
 <213> Rattus sp.

<400> 52	
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cttggtgttg gtcttattca gggctggctc taggtcttcc agatctccag agatctgcag	180
caggaggaac cccaagggtt tgatgttgaa cctcccagtt gggaagggtta aacggccttc	240
atagctgtcc tccaggcctt tcagctgcaa gagggtcagc cgcacctggg gccagtatgg	300
cgagtccggg ctaagctcca ttccctctg catccactcc aggttggcct ccaggaagct	360

cttgagcttc tcacagtagc cgacttcg 388

<210> 53
 <211> 164
 <212> DNA
 <213> Rattus sp.

<400> 53
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 gacatgctgt atatatctta ttgtatttgt ttcattgtcc cacacttaac tcaggtgtgc 120
 taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa aaag 164

<210> 54
 <211> 150
 <212> DNA
 <213> Rattus sp.

<400> 54
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 gtttgccctg ggcagctcag aagtgttacg tgttgacccc tccccaaggc tgtcaacagc 120
 agaaagcaac ccctggcgct agcccgtatt 150

<210> 55
 <211> 99
 <212> DNA
 <213> Rattus sp.

<400> 55
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 atttattaaa taagttggat ttgtaaaaaa aaaaaaaaaa 99

<210> 56
 <211> 357
 <212> DNA
 <213> Rattus sp.

<400> 56
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 aagggaagag tttcaggata tggctgtgtg tgtagggggc atgaaggcag gttataaaca 120
 aatatatccc agctgcctaa ggagttgggt gctgtcctca ctcttaacaa tccagtggga 180
 tctagtgatc aacatcagtt tggagactct aatcttcacg ctcatgtatt catcctgaca 240
 ttttaacttg ctattctgtg tgaccgaata cttgttatac ctagaatacg acctaagtgc 300
 cttctgattt ctcatgattt cttttcaaac agggctcaag tcctctactt gcatttt 357

<210> 57
 <211> 409
 <212> DNA
 <213> Rattus sp.

<400> 57

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aatatatccc agctgcctaa ggagttgggt gctgtcctca ctcttaacaa tccagtggga	180
tctagtgate aacatcagtt tggagactct aatcttcatg ctcatgtatt catcctgaca	240
ltttaacttg ctattctgtg tgaccgaata cttgttatac ctagaatacg acctaagtgc	300
cttctgattt ctcatgattt cttttcaaac agggctaaag tcatctactt gcattttgcc	360
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<210> 58
 <211> 454
 <212> DNA
 <213> Rattus sp.

<400> 58	
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aagggcgggc cctttgacat ctttgtcgtc ggccttggac tcagagatgg ccagcttatt	180
ctgcaggggag cacagcagct ggaggtagct ctggttcctc tgcagcttct cctgctcctg	240
tcctgcttgc tgcttcaagg tttcaagtcc ctggtgagaa ccatcaagct tctccagagc	300
tctcttccgg cgtctcttga cctcagcaga aatctttgtc agattctgca aacgcttctg	360
ctgcagcacc cactgcttct gagctaactg cagtttctcc tcaaggactc gcttcttagc	420
ctcaagttgc tcaaaagcct tctgaagctc ggcg	454

<210> 59
 <211> 122
 <212> DNA
 <213> Rattus sp.

<400> 59	
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tggccctggt tccgggggggt ttttgaaaaa ataaaaacgg gaactaaccg ggggggggga	120
aa	122

<210> 60
 <211> 122
 <212> DNA
 <213> Rattus sp.

<400> 60	
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tggccctggt ttcgggggggt ttttgaaaaa ccaaaaacgg gaaccaaccg ggggggggga	120
aa	122

<210> 61

<211> 671
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (511)..(666)
 <223> n

<400> 61
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 ccagctcctg atggagaaca catgtaggaa gaagttgctc ccactgaagc aggagagcaa 180
 ggagggacat cttgagtgtg caatgaacca gaaatatttg gttgacttca acaagaaaga 240
 taaagaccag caacctccag acccagcatc atcaggtctc agaaagtgca agagagctgg 300
 aattggacac acagcagtaa gagagcttcc tgaagaataa gttgctttct cagcagctcc 360
 tgatgacaaa catcctgaac gaaaacatca cttgagagac aacttggggg accgcctttc 420
 attatgtgtg ctagaggaga aacagcaata catctgtgct tctaaatggt cggttaagaat 480
 atgctgttta gaaatatttt tgttatgatt ntaaatgagg tntctttttg tggttcatat 540
 ttatatggtc ttggtactat ntttactttc anatattttt aaatattnt attcattcat 600
 tntaaatcct gttggtgga aatgattcaa tatgaataaa tatgtgttta ttcttgaaaa 660
 aaaaanaaaa a 671

<210> 62
 <211> 652
 <212> DNA
 <213> Rattus sp.

<400> 62
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 aacaaccata atctgaagaa ggagatacct tctctagaaa cctgctcagc cagctcctga 120
 tggagaacac atgtaggaag aagttgggtc cactgaagca ggagagcaag gaggtacatc 180
 ttgattgtgc actgaaccag aaatatttgg ttgacttcaa caagaaagat aaagaccatc 240
 aacggccaga accagcatta tcaggtctca gaaagtgcaa gagagctgga attggacaca 300
 cagcagtaag agagcttcct gaagaataag ttgctttctc aggagtcctc gatgaccaac 360
 atcctgaatg aaaacagcac ttgagagaca acttggggga ccgcctttca ttatgtgtgc 420
 tagaggagaa acagcaatac gtctgtgctt ctaaagtgtc gtttaagaata tgcttttaga 480
 aatatttttg ttatgattta tttgaagttt tctttttggg ggttcatatt tatatgttct 540
 tgttactatt tttacttttc aatattttta atatttttat tcatttaatc ctgttttggt 600
 ggaaaaatgt atttgttatg aataaaaatt gaattctaaa aaaaaaaaaa aa 652

<210> 63

<211> 662
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (561)..(614)
 <223> n

<400> 63
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 ccagctcctg atggagaaca catgtaggaa gaagttggtc ccactgaagc aggagagcaa 180
 ggaggtacat cttgattgtg cactgaacca gaaatatttg gttgacttca acaagaaaga 240
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 aattggacac acagcagtaa gagagcttcc tgaagaataa gttgctttct caggagtccc 360
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 attatgtgtg ctagaggaga aacagcaata cgtctgtgct tctaaatgtt cgtaagaat 480
 atgcttttag aaatattttt gttatgattt atttgaagtt ttcttttttg tggttcatat 540
 ttatatgttc ttggtactat ntttactttc aaatatttta aatattttat tcatntaatc 600
 ctgntttggg gganaaatgt attttgtatg aataaaaaat ggattctaaa aaaaaaaaaa 660
 aa 662

<210> 64
 <211> 650
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (217)..(643)
 <223> n

<400> 64
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 caccatcaaa acagagccca tagctgcctg cccccgggta tagttagaga caggccgtgt 180
 gttacctcta caattaaaac gtacttgtag acttgngggt aagggaccct ccacctattt 240
 caaattctgc cagaagacag aaggatgttc actcaccaat caagaaccct tggcttccta 300
 ctcttgactt tgtcgctgga ntgctggcta cagtaccaa cctatgtaga actatcatct 360
 tcagtcgagc ctcggtgtaa ttggcagaga ttctgagtc actaccatgc agagatctcc 420
 gaccctgtct agagacattt actagaagct gtcttacagc cctgtctttg aggcgagaca 480
 cataccaaat gtatgttccc ccaagaggag acacactcta tcttcagata tctgtgaacc 540
 cannnnnnaa aaaaaaaacc agcccgcccc ggggggcgca ccttgaatga cacaggggac 600

atggntggct gccccgtata gaaagcccca gcttnaacac agnaaatgtg 650

<210> 65
 <211> 484
 <212> DNA
 <213> Rattus sp.

<400> 65
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 atgggaaaca gggctcctgc aggggtccgtt cagccaggac ttgggaaagc ccggccagca 120
 gctcagagct cagcttctcc tgcctcgggtg gacaccttgc tgccagccat gcctctcagg 180
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 gatgctgaga ggtttctgat ctaagctgtg aggcgggcaa ggccagcctt cttgtgcgcg 300
 tgtgtcctgt gcatcaccca tcccatggcc cacctgcctg gctcaggcag ttctgtgaaa 360
 accccacatg tgccataacc catggacggg tgccctcccat tcccagcct ctcctcagcc 420
 agcaccgaa ccacttcac cagctcatgg ctaccccatc cccacagacc tcctagccca 480
 gcc 484

<210> 66
 <211> 132
 <212> DNA
 <213> Rattus sp.

<400> 66
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 attttctttt cccccaaaa aattagggag attccagtgt taaaaatgtc ctcaaaattt 120
 ttatgaccct aa 132

<210> 67
 <211> 172
 <212> DNA
 <213> Rattus sp.

<400> 67
 gagaccaaga agcctggcat gaacttgcag aactttatat caatgagcat gactatgcca 60
 aagcagcctt atgcttagag gagctgatga tgacaaatcc acataaccac ttgtactgtc 120
 aacaggacgc agaggtcaaa tacaccaag gtggacttga aaacctggtg ct 172

<210> 68
 <211> 382
 <212> DNA
 <213> Rattus sp.

<400> 68
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 caacatctac ccttgacat ggctggcact gtgtgtatgt ggtgcacaaa cacacgaagg 120

cagaacacct aaaaggggta tatgtgctat catttaagtg tctcttaa	180
aat gaaaagcctt	
caaccaggat ttcattcatta gaaatagaat tgatgtccac cctgtgtcat	240
gggaactgag	
aggaagggca gtataaatct gagaggttcc tttgtgtggt ggaccccgaa	300
gaagaaagcc	
ccatggctga acagctgttg tctcctccta cccacagct ttcctaata	360
aagggttgt	
tatttttgaaa aaaaaaaaaa aa	382

<210> 69
 <211> 53
 <212> DNA
 <213> Rattus sp.

<400> 69	
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<210> 70
 <211> 226
 <212> DNA
 <213> Rattus sp.

<400> 70	
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cctgttactg ccagtgtagg gacagatggt ttctttgact tcaagaagcc cattagtgga	180
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<210> 71
 <211> 434
 <212> DNA
 <213> Rattus sp.

<400> 71	
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cgtcctcagc cacttgtact cctgggctag ccttgtcata agatgccacc tggacactga	180
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gtgggccaag acagggtgcc ttatactttg ttctagcaca ttccaaggta tttcagggcg	360
tcagcacctg gaatcccata tgtcaaagcc agtattaaag caagtttatg cattcctcga	420
aaaaaaaaaa aaaa	434

<210> 72
 <211> 569
 <212> DNA
 <213> Rattus sp.

<400> 72	
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<210> 73
 <211> 552
 <212> DNA
 <213> Rattus sp.

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<210> 74
 <211> 188
 <212> DNA
 <213> Rattus sp.

<400> 74 tttttttttt tttttttttt tttttttcat gggaaaaaaa aaagggttta aaaaatggct	60
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gttttcaaaa gggggggggg gggggggggc cccctcccgc ccttttaggt ttgggggggg	180
gggggaaa	188

<210> 75
 <211> 182
 <212> DNA

<213> Rattus sp.

<400> 75
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 cccagggggg gggggccaaa accctccttt tttaataaac ctttaccgaa gaagggtcct 120
 ccaaaggggg gggggggggg gggcccccca cccgcccttt caggggttggg gggggggggg 180
 aa 182

<210> 76
 <211> 293
 <212> DNA
 <213> Rattus sp.

<400> 76
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 aggttagttt taccctactg atgatgtgtt gttgccatgg taatcctagt cag 293

<210> 77
 <211> 295
 <212> DNA
 <213> Rattus sp.

<400> 77
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 cgacgtcgct ttttgatcct tcgatgtcgg ctcttcctat cattgtgaag cagaattcac 180
 caagcgttgg attgttcacc cactaatagg gaacgtgagc tgggattaga ccgtcgtgag 240
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<210> 78
 <211> 199
 <212> DNA
 <213> Rattus sp.

<400> 78
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 gcagttctgg catgtcctcg cagctcggct ggctttcatc attgtgtttg agcacctcgt 120
 gttttgtata aagcacctca tttcctatct gataccagac ctcccgaag atctaaggga 180
 ccggatgagg agagagaag 199

<210> 79
 <211> 404
 <212> DNA
 <213> Rattus sp.

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<220>
<221> misc_feature
<222> (344)..(403)
<223> n

<400> 79
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acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca cataaaagaa      180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcagcag      240
atataacttt acaattataa aagagctaaa ccagaacca caatcagtgt ctaagtgcga      300
atctaataaa cactgcctct ctgcagctct taccagcttt ctgnngtggt acacacactc      360
acacacgcgc acacacacac acacgcgctc cctcctactg tgng                          404

<210> 80
<211> 402
<212> DNA
<213> Rattus sp.

<400> 80
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ggcccttttag ccttgtttta cacttgcagc acctacttct gctgggggttc aactcagtgc      120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa      180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa      240
tataacttta caattataaa agagctaaac cagaaccac aatcagtgtc taagtgtgaa      300
tctaataaac actgcctctc tgcagctctt accagctttc tgggttggtgta cacacactca      360
cacacgcgca cacacacaca cacgcgctcc cttctactga gg                          402

<210> 81
<211> 403
<212> DNA
<213> Rattus sp.

<400> 81
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ggcccttttag ccttgtttta cacttgcagc acctacttct gctgggggttc aactcagtgc      120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa      180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa      240
taataacttt acaattataa aagagctaaa ccagaacca caatcagtgt ctaagtgtga      300
atctaataaa cactgcctct ctgcagctct taccagcttt ctgggttggt acacacactc      360
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<210> 82

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<211> 349
 <212> DNA
 <213> Rattus sp.

<400> 82
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 ctgcagcccc ggtgattttt ttttaaaaga tgtcatgtct gactcaatac aataatgtca 180
 tcttaaattt tggccccctta tttgaatact atagctacaa tcaaaataat ttgttaaatt 240
 gcttatatta agagtaaaca tggatatgac attggttgtc cacctgcaaa ctttagaaca 300
 atttactgta gcttgatgct tagccaattt taagtgagga attcaacat 349

<210> 83
 <211> 118
 <212> DNA
 <213> Rattus sp.

<400> 83
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 ttcactctcc tctactctt cctcttcttc ctctctctca ctgctgtgct gaccctcg 118

<210> 84
 <211> 155
 <212> DNA
 <213> Rattus sp.

<400> 84
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 gacagcaggc tagccttggg acctttttgt ggagtagttt gcagtgaggt aacggtgcaa 120
 taaagtacag caagcgtgaa aaaaaaaaaa aaagg 155

<210> 85
 <211> 533
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (466)..(466)
 <223> n

<400> 85
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 gggttgtggg aaggatgcag ccatggtgtg cagcttcctt catgaaggat tatctggcca 180
 tggtaacctga ctgcttcaca acttgctgtc actctgggtg agataatgtg tctttaaaaa 240
 cagtccctgt ggcaggtcac tgggatataa tgtacaacat tcttagccat catttctttt 300
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aaagggacga gctgttcctt cattgagcaa gaccgttcgc tgttcattgat gtgttttatg	420
atgggttctt tgggagttgc ttcttcaaca gtctcaactg tgctgnggga tctcctgatg	480
ctgactttttg accttcggtt tattaaaaact aattagtga aaaaaaaaaa aaa	533

<210> 86
 <211> 123
 <212> DNA
 <213> Rattus sp.

<400> 86	
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ttccctatatt ctgctgtaga gaaacaagta aattttctta gagaatgaaa aaaaaaaaaa	120
aaa	123

<210> 87
 <211> 347
 <212> DNA
 <213> Rattus sp.

<400> 87	
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tgtaacctaa gtagagaagg gagccccaag gcaggaggtg gggcctgttc ctgcattctg	180
agaagtgagt caggtgattg ctgtgcttga ctgagatcag aagccatctg gctcttagac	240
tctctctctc tcccccttct tcccatgttc tgttgatcca cctctctcca agaaactcca	300
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<210> 88
 <211> 438
 <212> DNA
 <213> Rattus sp.

<400> 88	
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tgtaacctaa gtagagaagg gagccccaag gcaggaggtg gggcctgttc ctgcattctg	180
agaagtgagt caggtgattg ctgtgcttga ctgagatcag aagccatctg gctcttagac	240
tctctctctc tcccccttct tcccatgttc tgttgatcca cctctctcca agaaactcca	300
gtctcaagga tctaattctca ttctaaccct aacctcctca acttcttgtg gcttctgtgt	360
cacattgttg ccttggttct cctacatgct atgtagacaa agttctacag ttgtggcaat	420
aaaggtagac tgtgtctg	438

<210> 89
 <211> 90
 <212> DNA

<213> Rattus sp.

<400> 89
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 aagtgccacc ttacaaaaaa aaaaaaaaaa 90

<210> 90
 <211> 121
 <212> DNA
 <213> Rattus sp.

<400> 90
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 g 121

<210> 91
 <211> 469
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (459)..(460)
 <223> n

<400> 91
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 gtaggaaatg gaaagggcct tgcggccggg aatggctgag ctaggtcct gcagctacca 120
 actccaggca gtttaaagca ctttcttgc acgccccgac ctcgtagtg gagtctagct 180
 ggagaaacaa aggctcttct ttgtagaaag aactctccca caaagagaga aaaattctct 240
 caagagaagc tgtgacttgc cttgggtca cacgtggcaa actctccgt gaacccgaga 300
 cccagagcca aggcctttat ctccgtaaca gttatccctg taaagaattc tcttgtagt 360
 cttttacagt tactctggca tctcatatgt atgcgtatat gcatcagatg aactggtttc 420
 catcccttg atgttctata aatagactct atcacggann aaaaaaaaaa 469

<210> 92
 <211> 415
 <212> DNA
 <213> Rattus sp.

<400> 92
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 ccaactccag gcagtttaaa gcacctttct tgcacgcccc gacctcgtga gtggagtcta 120
 gctgaagaaa caaaggctct tctttgtaga aagaactctc ccacaaagag agaaaaattc 180
 tctcaagaga agctgtgact tgcccttggg tcacacgtgg caaactctcc cgtgaacccg 240
 agaccagag ccaaggcctt tattcccgga taacagttat ccctgtaaag aattctcttg 300

tgagtccttt acagttactc tggcatctca tatgtatgcg tatatgcatc agatgaactg 360
 .ttttccatcc cttt gatgtt ctataaatag actctatcac ggaaaaaaaa aaaaa 415

<210> 93
 <211> 347
 <212> DNA
 <213> Rattus sp.

<400> 93
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 cctcaccatc cccagccctt cctctggatg aggatgtgaa ggacagaggc atctccaaaa 180
 tgggctactt ttggtataga ccttaggagt gtggggctgg tgtaagctct tggttccttt 240
 aaaaggagaa ttttattttg ttttgttcag tttagacatt cctggatgca gtttgattgg 300
 ttaaattaaa agttgatttt tttttccagt aaaaaaaaaa aaaaaa 347

<210> 94
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (156)..(238)
 <223> n

<400> 94
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 aagagaagac aggtcagggc tgcgataaga cccggncacg ggtgaccctg caggagtggg 180
 atgaccctnt tgaccgtgac cttgaggccc anctcatcta ccggcacctg ctgggcgngg 240
 aggccatgct gtg 253

<210> 95
 <211> 159
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n

<400> 95
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 ctgcggtcac tcaacagtgc cccactgtgg cgtgatgtca ttgccacctt cacagaccac 120
 tgcacaaagc agctgccatt cccttatcgt cgtcgtcct 159

<210> 96

<211> 220
 <212> DNA
 <213> Homo sapiens

<400> 96
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 ctctccaccc tctactaaca ctctgcaccc aaggccttat cctttgggggt caccagctcc 120
 ttggccattt ctatgtgatt tccccaccc atctgagttc cagtttcctc tgggctccaa 180
 tctccagtcc ctggcggatc tggtcagtcc caccctagg 220

<210> 97
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 97
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 cagggctagc acctctccct ggagcttggg gctaggtgca tcttcgtgct cctgctgggt 120
 gctctcagtg ccgctgcact cctccttgag attttcctca tctgagcgct ccatactctc 180
 ccataggcgt tgggtggcaa ctagttagtt ag 212

<210> 98
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 98
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 atagttaggc ttatcgtcgt cgtccttgta atccatgggtg 100

<210> 99
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 99
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 gaaactgcct tattgaattg gtcaactgtc agatgggtct tctgtggagca gagacagaag 120
 gctgtgtcat tgtgtcagct gccaaagccc aactgctgca gtgccagcac catccagcct 180
 ggtatgggtga tacattgaag caaaagacat cctggacttg cctcttggtg gttagttag 239

<210> 100
 <211> 45
 <212> DNA
 <213> Homo sapiens

<400> 100
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<210> 101

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<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n

<400> 101
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gggattacag cattaccaac ccagttctgt gccaggtgct gaaactagtt ttgtggtaaa      120
tacagacata tattctaagg agaaaacgat ttctgcttat cgtcgtcgtc ct              172

<210> 102
<211> 156
<212> DNA
<213> Homo sapiens

<400> 102
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taaggctccg tcctgactgc cctgtgccct ggaaaagcag caatagcatc cgcccccttag      120
agccctctta tcgtcgtcgt ccttgtaatc catggt                                156

<210> 103
<211> 118
<212> DNA
<213> Homo sapiens

<400> 103
aagcttgagg agatgcgcct gaaggaggcg ggcacggtgg ggagaggagg tgggcaggag      60
gaacggccct ttgtggcccg gtttgattt gacgtggtga cgtgctgtgg atacctcc      118

<210> 104
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)..(42)
<223> n

<400> 104
ttccttagca gctaagcatt tgaatcagac ttctcatagc antgttatgg gctgtctgat      60
atattcagga tttgttgagc agataagctg tgtgtgatct tactcattct cagccatgcc      120
gcagacatac ccatttcctt ttagtaattt tttaatacag agaatgctat taac              174

<210> 105
<211> 139
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<222> (120)..(120)
<223> n

<400> 105
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agtgggctgg gctgcaagac ttctatacca tcctagatca ctagaccgca cccagcatan      120
agatggagga aggaggccc                                           139

<210> 106
<211> 149
<212> DNA
<213> Homo sapiens

<400> 106
cccttagacc ttccctcaac agaggacact gagcccaacg gagttctggg atgggagggg      60
tgggagcatg ggaagggagg catccccccc ccaagaagaa ctgaataaag attgctgagc      120
ttatcgtcgt cgtccttgta atccatggt                                149

<210> 107
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (120)..(149)
<223> n

<400> 107
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aaaggtcctg agtctgaaca gaacatggca tgtgaggaat gaagcagcct ggccttaggn      120
gaagctgana aaaccctgca ggtccttgna atccatggt                                159

<210> 108
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)..(19)
<223> n

<400> 108
tccccacggg gtcccgccang gtaccacccc actccgctcc tcaaacgggg ccgacataat      60
ccagtccttc ccggccgcgg ccgcaccacc ccaactccgt tatcgtcgtc gtccttgtaa      120
tccatggt                                           128

<210> 109
<211> 234
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (20)..(221)
<223> n

<400> 109
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actatctcct ggttcttagg gatttcttct gtcgaaaaga gttctnaaaa ataacagnaa      120
cctgagatac catctgttaa atncttaagc aatttcgcat gccttatgag accntgctga      180
ttaaaaacat ctagtcttgt tttctttttt ttgagacgaa ntctcgctct gtca          234

<210> 110
<211> 114
<212> DNA
<213> Homo sapiens

<400> 110
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gtggcatggt ccaccctctc aagggcctag ctatcatgat acgaggcgaa tggg          114

<210> 111
<211> 227
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)..(175)
<223> n

<400> 111
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gtgactcaag cagcaccaag tctgaagggt ccaacgggac agtggcaact gcagnaatcc      180
agccaagaa agttaagctt atcgtcgtcg tccttgtaat ccatggt          227

<210> 112
<211> 199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)..(34)
<223> n

<400> 112
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ggagacaaag gttctgcttt ccaccaaacc ttcttcggtc tgggccctcc cttagcaacc      120
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gcattccaag tagcgcccg          199

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<210> 113
<211> 252
<212> DNA
<213> Homo sapiens

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aaggacctgt tgagaaatct gagctcgact tgtaggctta attagttagt taggatccta      120
actaactagg gacctggaca gcattctccg ccgtatcagg acgctgaaag ggaaactggc      180
caggcagcac ccagaggcct tcagccatat cccagaggca tccttcctgg aggaagagga      240
tgcttatcgt cc                                                              252

<210> 114
<211> 161
<212> DNA
<213> Homo sapiens

<400> 114
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agcacccttc ccgaggcagc ataagcagga gagaagaagg ctagtccttg gcaccacaag      120
gccccgaggg cagccacagc ctcggcctgg tagttagtta g                            161

<210> 115
<211> 161
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)..(151)
<223> n

<400> 115
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ggactagcct tcttctctcc tgcttatgct gcctcgggag ggggtgctggg cctaaaccta      120
cagccagagc agcccatggt gctctacctt ntgccccctg g                            161

<210> 116
<211> 184
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> n

<400> 116
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caccagcagc agtgataaga aacaaagcag aggagacggt gaggcagcag agacagcaga 180
tccg 184

<210> 117
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (207)..(207)
<223> n

<400> 117
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ccaaaagcct gggactcttt gtgaagggtc tctcacctc tatctttctt tctctctctc 120
tcaaactttc cttaaagtgc tcattgcctt tgcactgctt ctgtgaacag tctttgtctc 180
ctccccacct ttggtgggaa gtgcgngca gtcctgggtc agacactcat gccctggcaa 240
tgtggctgcc tagttagtta g 261

<210> 118
<211> 124
<212> DNA
<213> Homo sapiens

<400> 118
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atgaaaatca gacgataggg cctcctgttg taatcttctc gtcgtcgtcc ttgtaatcca 120
tggt 124

<210> 119
<211> 238
<212> DNA
<213> Homo sapiens

<400> 119
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cgtcccggtc ggcagtgagg atgaagcgtt catcaggact cacagccaca tctaacagca 120
tagacaggtg cccagctct agacggccac acccgtgtgg ctccagcacc gaaaaggagt 180
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<210> 120
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(67)
<223> n

<400> 120
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 ggccaggact gctgaac 137

<210> 121
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 121
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 tacagttcct ttgaacaggg tagttagtta g 91

<210> 122
 <211> 171
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (11)..(140)
 <223> n

<400> 122
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 gtggnagcaa cacatttttn atccacacca gtcattgggg gcagtgataa g 171

<210> 123
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 123
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 ggcgttctcc cagaagatct gccactctc ttccccacac cagcc 165

<210> 124
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 124
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 aggaaatgag tagaagttca caagcaaccc agaatagggtg ccagcagttt gctccagtgg 120
 gccacaccac agcagcagct caggctctgc agaatcactg tgtccagtgc ttcc 174

<210> 125
 <211> 158

<212> DNA
 <213> Homo sapiens

<400> 125
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 atccaaatta tgccaacttt ctatctcctc atgagatatt tgcacctgcc gttcccagta 120
 accctcagggc tcagtgcattg agttgaagct gcctttct 158

<210> 126
 <211> 124
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (80)..(80)
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<400> 126
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 <212> DNA
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 ggcttggccc ccgccttagg ccccgccagc aggcgaagca gggagatgtc agactgctac 180
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